

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Taylor Street  
Suite 1000  
Portland, Oregon 97204  
Telephone: 503/226-7391

Our Ref. No. 1011-59279  
App No. Not yet assigned  
Express Mail Label No. EL828140  
For: A Method and Apparatus to G  
A Wiring Harness Layout  
Mailed: October 17, 2001

400455323 303903

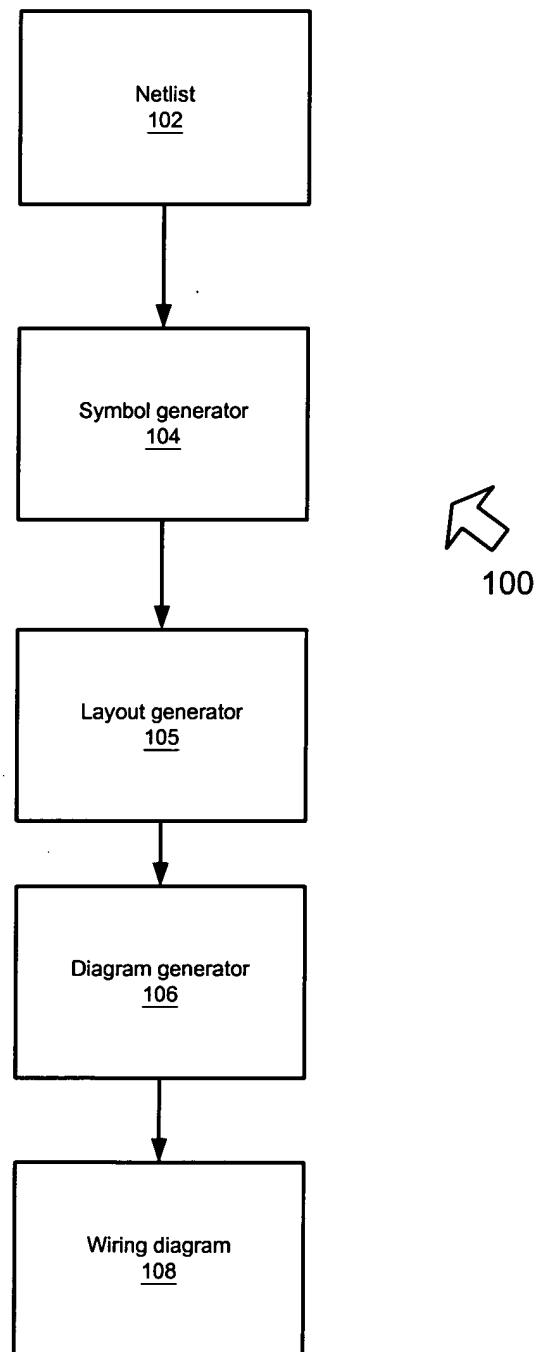


FIG. 1

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Salmon Street  
Suite 1000  
Portland, Oregon 97204  
Telephone: 503/226-7391

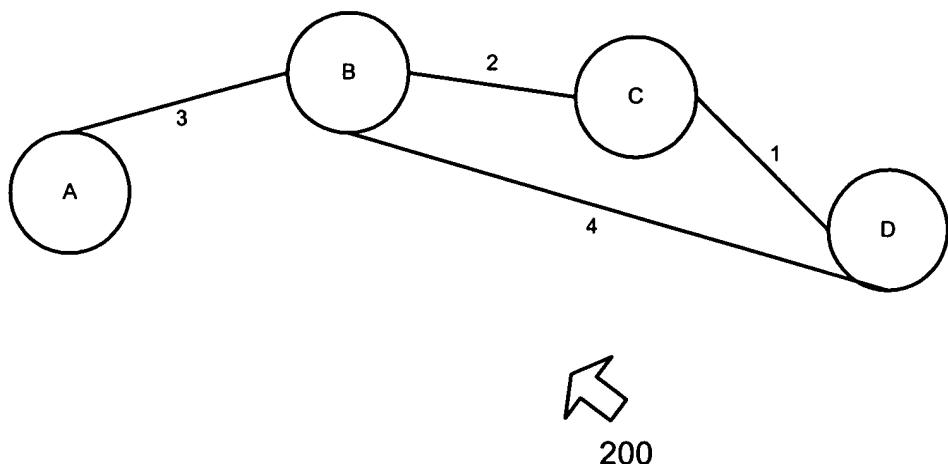


FIG. 2

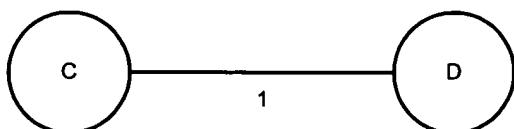
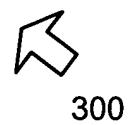
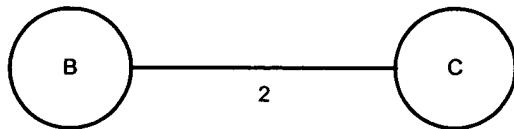
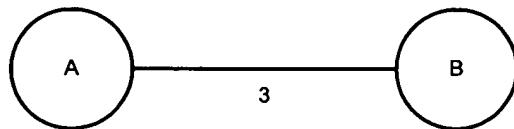
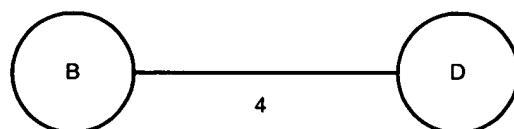
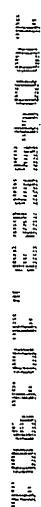


FIG. 3

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Salmon Street  
Suite 1600  
Portland, Oregon 97204  
Telephone: 503/226-7391

Our Ref. No. 1011-59279  
App No. Not yet assigned  
Express Mail Label No. EL828140906U  
For: A Method and Apparatus to Generate  
A Wiring Harness Layout  
Mailed: October 17, 2001

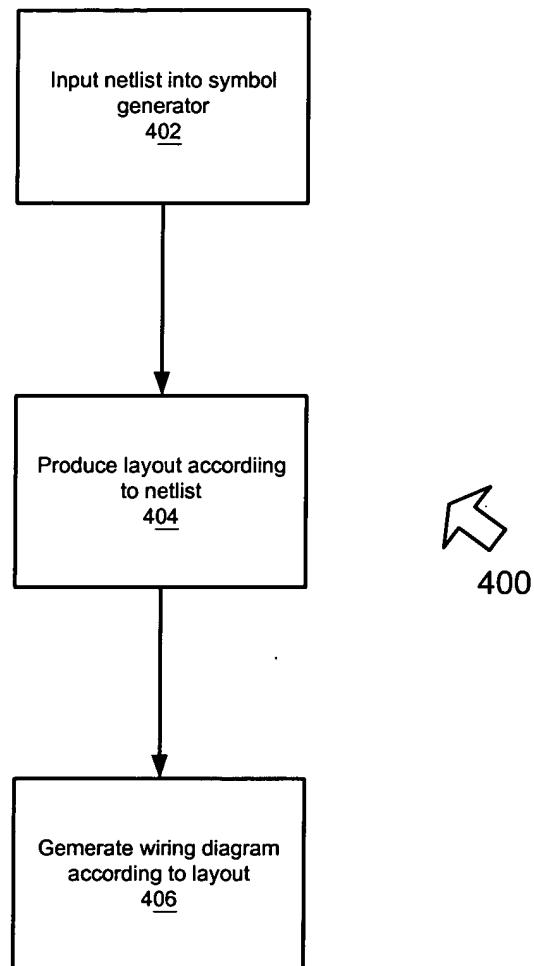


FIG. 4

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Salmon Street  
Suite 1000  
Portland, Oregon 97204  
Telephone: 503/226-7391

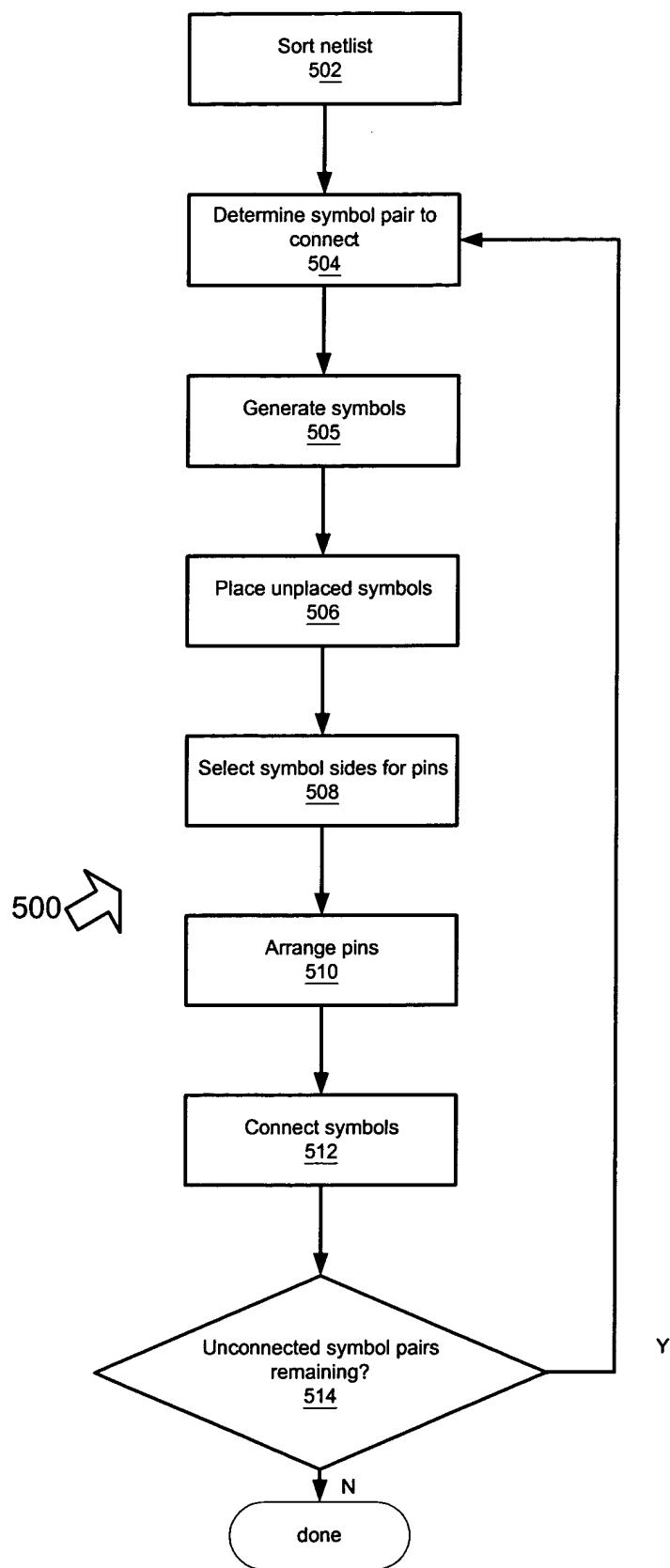


FIG. 5

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Salmon Street  
Suite 200  
Portland, Oregon 97204  
Telephone: 503/226-7391

Our Ref. No. 1011-59279  
App No. Not yet assigned  
Express Mail Label No. EL8284006US  
For: A Method and Apparatus to Generate  
A Wiring Harness Layout  
Mailed: October 17, 2001

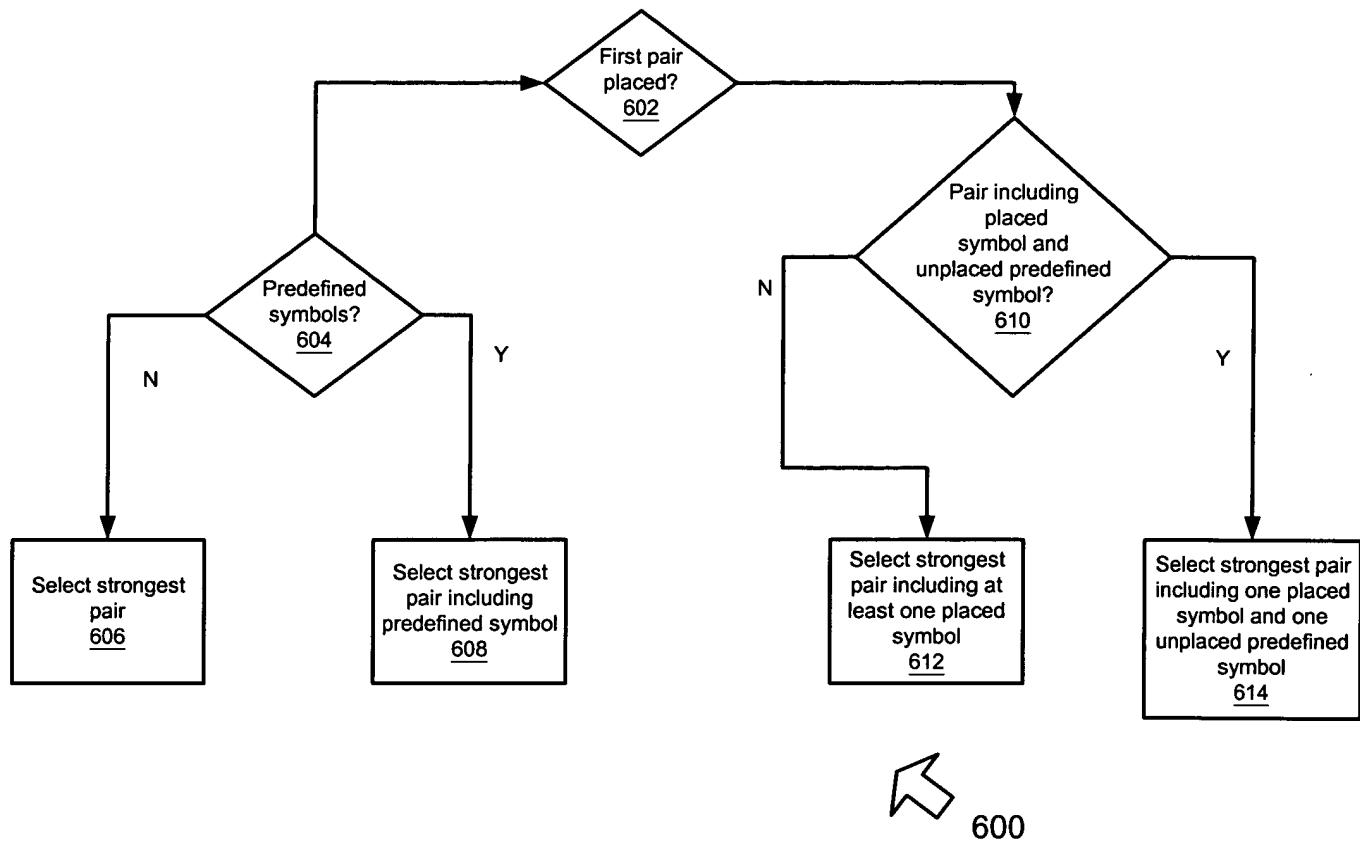


FIG. 6

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Salmon Street  
Suite 1600  
Portland, Oregon 97204  
Telephone: 503/226-7391

Our Ref. No. 1011-59279  
App No. Not yet assigned  
Express Mail Label No. EL82814090674C  
For: A Method and Apparatus to Generate  
A Wiring Harness Layout  
Mailed: October 17, 2001

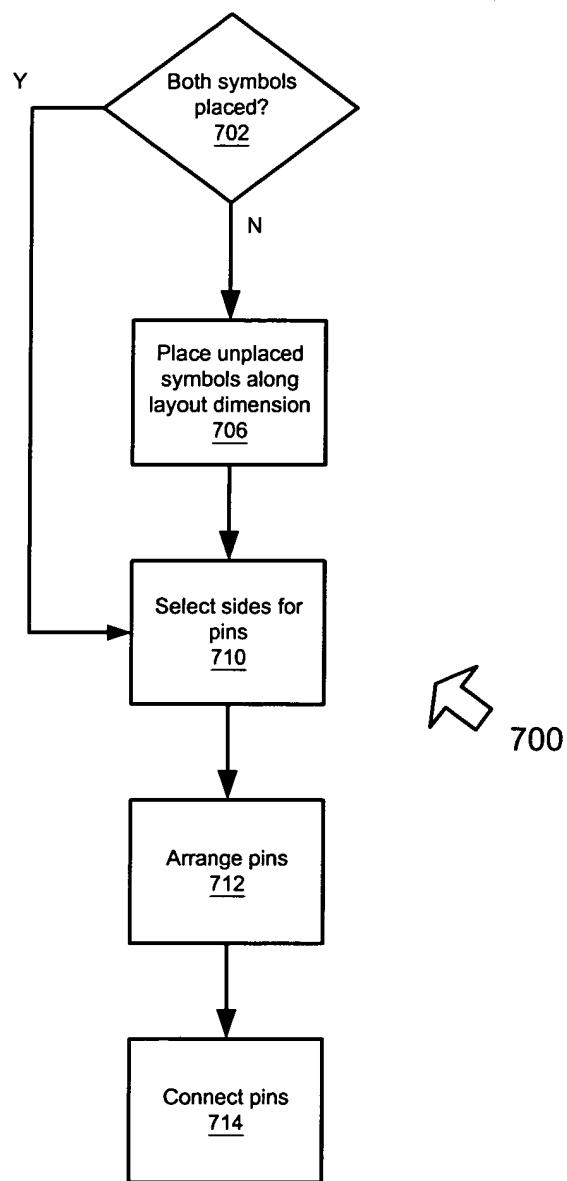


FIG. 7

Robert F. Scotti  
Klarquist Sparkman et al  
121 NW Salmon Street  
Suite 100  
Portland, Oregon 97204  
Telephone: 503/226-7391

Our Ref. No. 1011-59279  
App No. Not yet assigned  
Express Mail Label No. EL828 06US  
For: A Method and Apparatus to Generate  
A Wiring Harness Layout  
Mailed: October 17, 2001

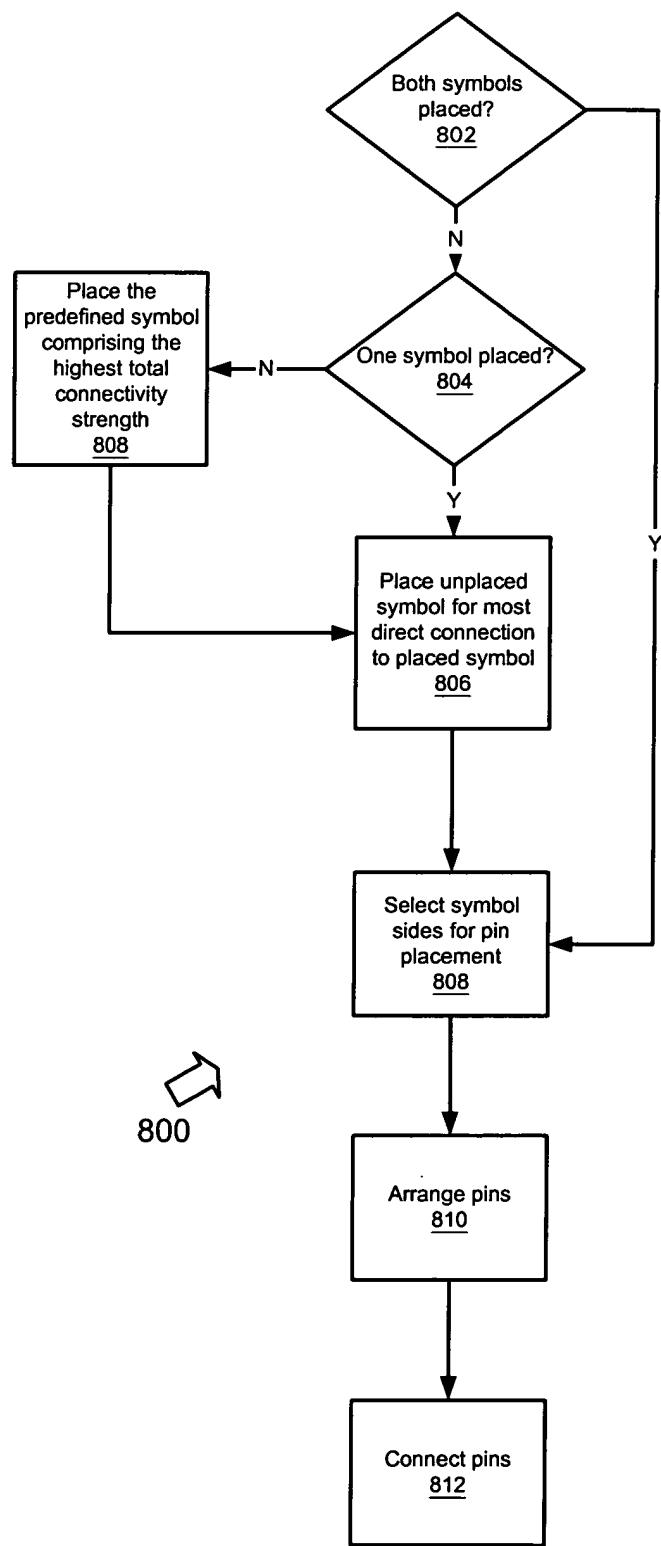
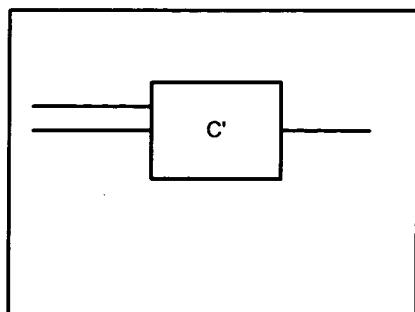


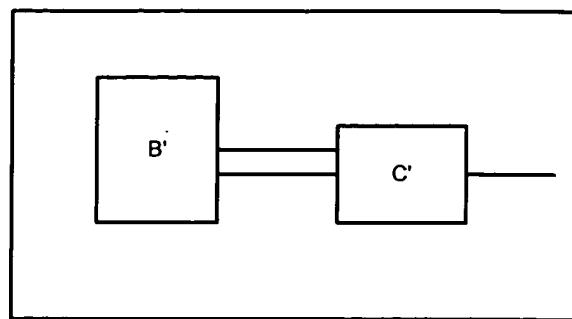
FIG. 8

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Salmon Street  
Suite 1000  
Portland, Oregon 97204  
Telephone: 503/226-7391

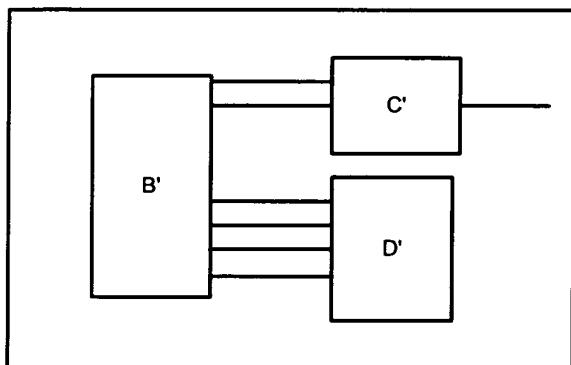
Our Ref. No. 1011-59279  
App No. Not yet assigned  
Express Mail Label No. EL82816US  
For: A Method and Apparatus to Manufacture  
A Wiring Harness Layout  
Mailed: October 17, 2001



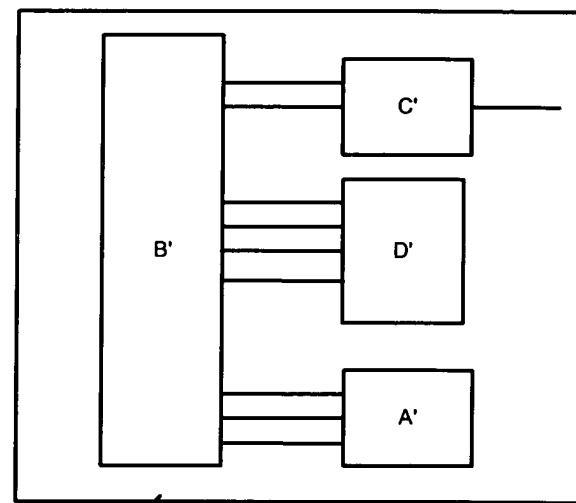
902



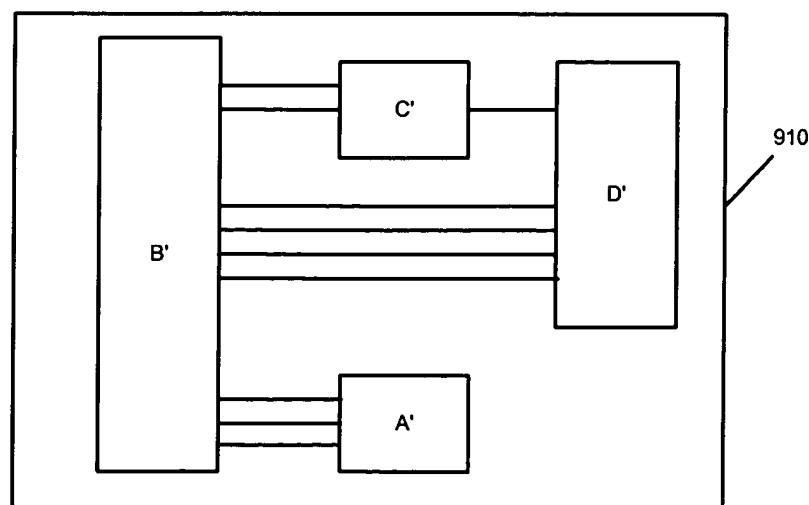
904



906



908



910

FIG. 9

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Salmon Street  
Suite 1600  
Portland, Oregon 97204  
Telephone: 503/226-7391

Our Ref. No. 1011-59279  
App No. Not yet assigned  
Express Mail Label No. EL828140906US  
For: A Method and Apparatus to Gene  
A Wiring Harness Layout  
Mailed: October 17, 2001

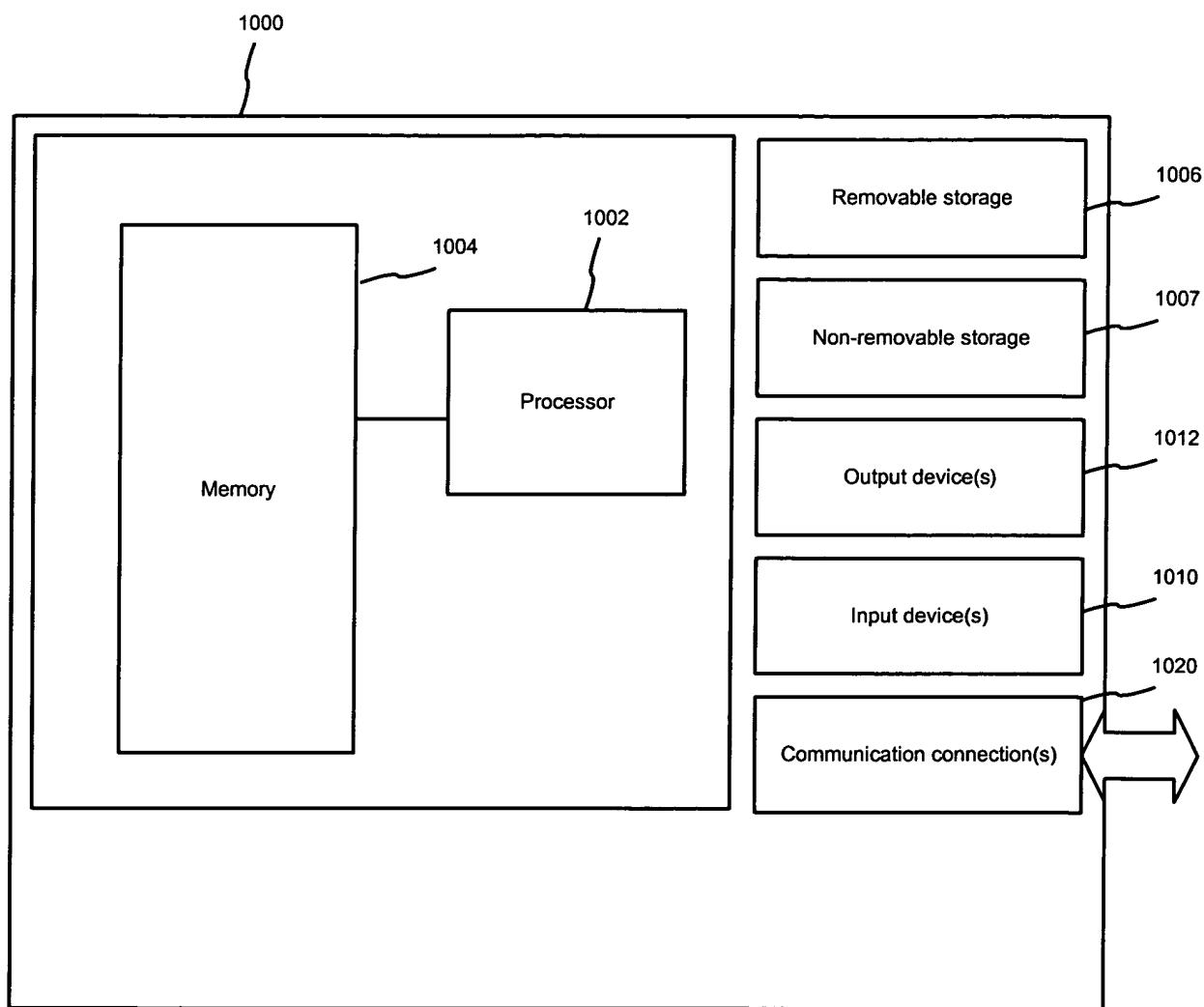


FIG. 10

20045523 404903

Robert F. Scotti  
Klarquist Sparkman et al  
121 SW Salmon Street  
Suite 10  
Portland, Oregon 97204  
Telephone: 503/226-7391

Our Ref. No. 1011-59279  
App No. Not yet assigned  
Express Mail Label No. EL828160096US  
For: A Method and Apparatus to Generate  
A Wiring Harness Layout  
Mailed: October 17, 2001

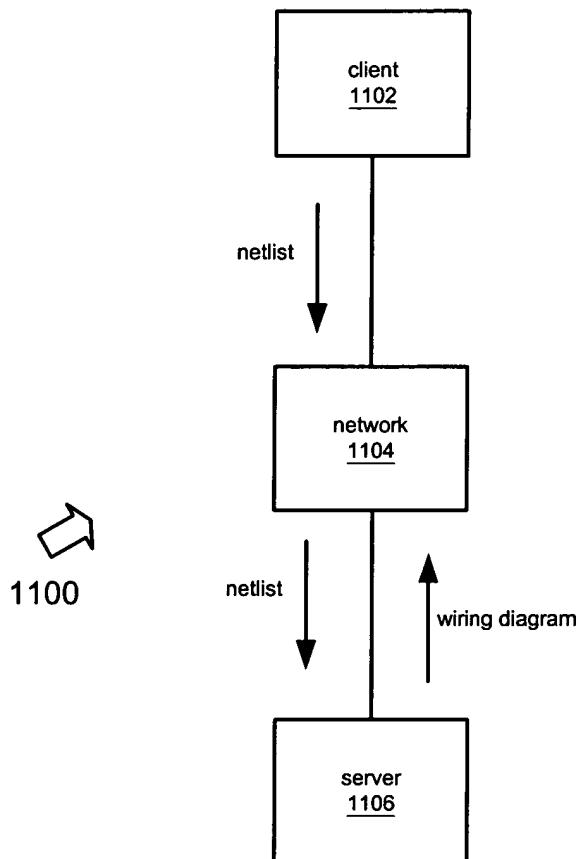


FIG. 11